

PIGEON RIVER COUNTRY MANAGEMENT UNIT COMPARTMENT REVIEW PRESENTATION

COMPARTMENT #33 ENTRY YEAR: 2012

Compartment Acreage: 1856 County: Otsego

Revision Date:

August 25, 2010

Stand Examiner:

Don Mittlestat

Legal Description:

T32N R01W Sections 1, 2, and 3

RMU (if applicable):

Management Goals:

Maintain current species mix and apply appropriate management techniques to mature stands of timber that are in need of treatment.

Soil and Topography:

The east half of the compartment is dominated by loamy soils with the exception of an area of wet organics that lies primarily east of Little McMasaters Creek Trail. The west portion of the compartment is generally well drained, sandy soils. Most of the topography is flat or gently rolling. The only steep slopes are those that lie adjacent to the Sink Hole Lakes.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

This compartment is a solid block of state land, which is also surrounded by state land.

Unique, Natural Features:

Lost Lake, West Lost Lake and the Devil's Bowl Lake are located in sections 2 and 3 of this compartment. These lakes have been used by Fisheries Division for research in the past, but are now open to fishing.

Archeological, Historical, and Cultural Features:

Stand 402 may be an old homestead or logging camp location

Special Management Designations or Considerations:

See attached MNFI notes.

Watershed and Fisheries Considerations:

Lost Lake, West Lost Lake and the Devil's Bowl Lake are located in sections 2 and 3 of this compartment. These lakes have been used by Fisheries Division for research in the past, but are now open to fishing. West Lost Lake is presently stocked with trout by Fisheries Div.

Wildlife Habitat Considerations:

See attached wildlife comment sheet.

Mineral Resource and Development Concerns and/or Restrictions:

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium, and coarse textured glacial till (high ground). The glacial drift thickness varies between 200 and 600 feet, thickening to the west. Beneath the glacial drift is the Devonian Antrim Shale, quarried for clay/shale elsewhere in the State. The nearest gravel pit is located six miles to the northwest. The thick glacial moraine deposits, in Sections 1 and 2, are considered to have good gravel potential. No oil and gas leases remain in effect after 2001. This area may have Guelph (Niagaran) reef trend potential and also the Antrim Shale may have some potential in this compartment, but will not be developed under the Management Plan.

Vehicle Access:

Access is adequate at this time

Survey Needs:

There are no survey needs at this time.

Recreational Facilities and Opportunities:

Most of the Elk Hill trail Camp is located in section 1. The Shore to Shore Riding and Hiking trail and other riding loops are in sections 1 and 2.

Fire Protection:

Additional Compartment Information:

- ➤ The following 5 reports from the Operations Inventory System (OIPC) are attached:
 - **♦** Cover Type by Age Class
 - **♦** Cover Type by Management Objective
 - **♦** Compartment Volume Summary
 - **♦** Proposed Treatments No Limiting Factors
 - **♦** Proposed Treatments With Limiting Factors
- The following information is displayed, where pertinent, on the attached compartment maps:
 - ♦ Base feature information, stand numbers, cover types
 - **♦** Proposed treatments
 - ♦ Proposed road access system
 - **♦** Biodiversity Stewardship

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Michigan Department of Natural Resources - Operations Inventory System Individual Compartment Report

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

OTSEGO COUNTY

COMPARTMENT: 33

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not Coded	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100- 109	110- 119	120- 129	130- 139	140- 149	150- 159	All Aged	Total
Aspen		14		40	42	49	22			5									172
Cedar										3									3
Grass	24																		24
Hemlock																		74	74
Jack Pine			86	18	67					17									188
LowInd Brush	6																		6
Marsh	11																		11
Mx Swmp Cnfr									14		80								94
Oak										13	5							9	27
Red Pine										227								75	302
Spruce Fir				15															15
Upland Brush	3				2														5
Upland Hdwds			15	15						15	60							766	871
Water	7																		7
White Pine				19		17				5								16	57
Total	51	14	101	107	111	66	22		14	285	145							940	1856

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Michigan Department of Natural Resources - Operations Inventory System Individual Compartment Report

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

OTSEGO COUNTY

COMPARTMENT: 33

Table 3A

(acres shown in boxes)

MANAGEMENT OBJECTIVE TYPE

COVER TYPE	Α	S	V	С	G	Н	J	1	L	Р	N	Q	Χ	0	В	R	K	Υ	F	Ε	Т	D	U	М	Z	W	Total
A Aspen	172																										172
C Cedar				3																							3
G Grass					24																						24
H Hemlock						74																					74
J Jack Pine							102									86											188
L Lowlnd Brush									6																		6
N Marsh											11																11
Q Mx Swmp Cnfr												94															94
O Oak														27													27
R Red Pine																165								56		81	302
F Spruce Fir																								15			15
U Upland Brush																							5				5
M Upland Hdwds																								871			871
Z Water																									7		7
W White Pine																								3		54	57
Total	172			3	24	. 74	102		6		11	94		27		251							5	945	7	135	1856

Michigan Department of Natural Resources - Operations Inventory System Individual Compartment Report

TABLE 10: Page 1 of 1

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

OTSEGO COUNTY

COMPARTMENT: 33

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY

TOTAL \	/OLUME	CUT V	OLUME
Hardwood	13752 Cds	Hardwood	1167 Cds
Hardwood	3974 Mbf	Hardwood	499 Mbf
Softwood	4584 Cds	Softwood	742 Cds
Softwood	3625 Mbf	Softwood	1308 Mbf
Sum TotVol	33534 Cds	Sum CutVol	5523 Cds
Total Cn	npt Acres	Acres Propos	ed For Cut
185	56	Acres Meeting	g Silv Criteria
		Acres Not Me	eting Silv Crite

Acres Unable to Determine Silv Criteria For.....

PIG	EON F	RIVER (COUNT	ΓRY M	GT UNIT		Treatments niting Factors	Compa	rtment: 33	Entry Year: 2012
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
8	Α5	22	48	60	ASPEN (UPLAND) IMMATURE	FINAL HARVEST	1		
comnts Fm					TE PINE TO LEAV ATE THE STAND		A OF RETENTION	. ASPEN I	PINE AND RED	MAPLE WOULD BE
20	W9	3	82	60	WHITE PINE	IMMATURE	THINNING	1		
comnts Fm	d: 201	0 LEAV	E ASPE	EN FOR	FUTURE AND P	RESENT WILDL	IFE TREES			
22	W9	12	0	60	WHITE PINE	UNEVENAGE D	THINNING	1		
23	R9	81	82	60	WHITE PINE	IMMATURE	SHELTERWOOD- SEED	6	PLANTING	
comnts Fm	POO AN	CKETS (Y ASPE	OF MAT N IS LEI	URE P	INE IN THE STAN	ND. PLANT ACC WILDLIFE. SE	TO BETWEEN 30 A DRNS IN STAND TO EE COOMMENTS	O HELP ES	STABLISH AN C	OAK PINE STAND. IF
54	М9	83	0	65	NORTHERN HARDWOOD	UNEVENAGE D	SELECTION	2		
comnts Fm		0 THIN GENERA				AND 80 BA. NO	ORTHERN HARDW	OODS WO	OULD BE EXPE	CTED TO
57	R9	24	82	60	RED PINE	TWO AGED	SHELTERWOOD- SEED	1		
comnts Fm	Lak	0 Use thes RD. GENERA	RED A	ND WE	IITE PINE AS WE	I for retention and LL AS SOME RE	buffer the east side (CDMAPLE AND AS	(leave the l PEN AND	ba higher along th OAK WOULD I	he road) along Twin BE EXCECTED TO
66	R9	37	0	70	NORTHERN HARDWOOD	UNEVENAGE D	REMOVAL	1	PLANTING	
comnts Fm	OF		DERST	ORY IS			Y 2 ACRES. UNDI LLIKE TO TRY PLA			M2 TO M3. LOTS E STAND AFTER
67	R9	11	82	65	NORTHERN HARDWOOD	TWO AGED	FINAL HARVEST	6		
74	R9	8	82	60	NORTHERN HARDWOOD	TWO AGED	DELAYED REMOVAL	1	PLANTING	
comnts Fm		0 LEAV E HARV			LUMPS OF 3 OR 4	4 RED PINE IN T	HE STAND. BRIA	N WOULD	LIKE TO PLAN	NT OAK SAPS AFTER
78	М9	186	0	60	NORTHERN HARDWOOD	UNEVENAGE D	SELECTION	2		
comnts Fm	AN	D QUAL	ITY FA	LL OF		IERN END OF T	HE STAND. THIN			REATING. THE BA BA. NORTHERN
404	G0	2	0		GRASS	NONSTOCKE D		0	OPENING MAINTENANCE	<u> </u>
comnts Fm	d: WII	DLIFE (OPENIN	IG. TH	IS WILL BE MAII	NTAINED BY FA	RMING OR PRESO	CRIBED B	URNING.	
405	G0	8	0		GRASS	NONSTOCKE D		0	OPENING MAINTENANCE	
comnts Fm	d: WII	LDLIFE (OPENIN	IG. TH	IS WILL BE MAII	NTAINED BY FA	ARMING OR PRESO	CRIBED B	URNING.	
406	G0	1	0		GRASS	NONSTOCKE D		0	OPENING MAINTENANCE	
comnts Fm	d: WII	LDLIFE (OPENIN	IG. TH	IS WILL BE MAII	NTAINED BY FA	RMING OR PRESO	CRIBED B	URNING.	
407	G0	1	0		GRASS	NONSTOCKE D		0	OPENING MAINTENANCE	
comnts Fm	d: WII	LDLIFE (OPENIN	IG. TH	IS WILL BE MAII	NTAINED BY FA	RMING OR PRESO	CRIBED B	URNING.	

						With NO Limit	ing Factors	•		
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
408	G0	6	0		GRASS	NONSTOCKE D		0	OPENING MAINTENANCE	

Proposed Treatments

Compartment: 33

Entry Year: 2012

comnts Fmd: WILDLIFE OPENING. THIS WILL BE MAINTAINED BY FARMING OR PRESCRIBED BURNING.

Total Acres...... 485

PIGEON RIVER COUNTRY MGT UNIT

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						With Limit	ing Factors				
Stan	Cover d Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
4	J5	8	84	50	JACK PINE	MATURE	FINAL HARVEST	1			_

Proposed Treatments

Compartment: 33

Entry Year: 2012

TREATMENT LIMITING FACTORS: Retention of stand for regeneration purposes (ie. shelterwood)

comnts Fmd : 2010 LEAVE RED AND WHITE PINE WITH AN AREA OF RETENTION. RED, WHITE AND JACK PINE AS WELL AS ASPEN WOULD BE ACCEPTABLE FOR REPRODUCTION

72 R7 3 82 60 RED PINE TWO AGED 0 PLANTING

TREATMENT LIMITING FACTORS: Scenic values/visual values

PIGEON RIVER COUNTRY MGT UNIT

comnts Fmd : 2010 COMBINED OLD STANDS 402 AND 61. OLD 402 HAS PRETTY MUCH FILLED IN WITH PINE AND HARDWOODS AND U. I WOULD LET THE RED PINE HERE DIE OUT ON ITS OWN. QUALITY IS POOR. BRIAN WOULD LIKE TO PLANT

OAK SAPS IN THIS STAND.

Total Acres...... 1

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s		EON R	IVE	R CO	UNT	RY N	/IGT U	NIT Star	nd Level Inf	ormatio	n Comp	artment: 33	Entry \	ear: 2012
	Cover Type-	Under Story-	A C		avg.					er descript	nt Packets Glos tions and code	ssary of Terms" do definitions.	cument lin	k on web site
	Size Dnsty	Stkng Level	e s	Age	D B H	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
	J 5	G 0	9	84	9	50	50	jack pine	mature	Υ		not scheduled	0	
			creat	tional s	site									
om	nts Fmd	J 1	4	84	10	70	60	red pine	immature	N		40-49 years	0	
		J 1		04	10	70		тей ріпе	IIIIIIature	14		40-43 years		
	J 4	G 0	22	34	4	30	50	jack pine	immature	N		30-39 years	0	
	J 5	W 1	8	84	9	50	50	jack pine	mature	Y	final harvest	within 0-9 years	s 1	
on		1: 2010	tentio	on of s	tand f	or rege AND	WHITE	n purposes (ie. sheli PINE WITH AN A REPRODUCTION	REA OF RET	ENTION.	RED, WHITE	AND JACK PIN	E AS WEL	L AS ASPEN
	J 4	G 0	45	34	5	40	50	jack pine	immature	N		30-39 years	0	
on	ints Fmd	1 • 2010) ТН	IERE /	ARE.	SCAT	ΓERED	RED AND WHITE	EPINE IN THI	ESTAND				
-	A 3	G 0	2	36	3	20	65	aspen (upland)	immature	N		10-19 years	0	
on	ints Fmd	1: 2010) TH	IE STA	AND I	IS JUS	T MOV	/ING TO A POLE S	STAND.					
	R 8	W 2	16	83	10	70	60	red pine	two aged	Υ		10-19 years	0	
		Treatme De					/size cla	ass diversity						
	A 5	A 1	22	48	8	70	60	aspen (upland)	immature	Υ	final harvest	within 0-9 years	s 1	
on	ints Fmd							IE TO LEAVE ANI FHE STAND	O AN AREA C	F RETEN	TION. ASPE	N PINE AND REI	O MAPLE	WOULD BE
	U 0	G 0	2	36	0	0	60	upland brush	nonstocked	N		not scheduled	0	
on	ints Fmd	1: 2010) W	HITE I	PINE	AND	CHERR	RY ARE FILLING I	N THE STAN	D				
0	W 9	M 2	4		14	170	60	white pine	unevenaged	N		not scheduled	0	
on	ints Fmd	1: 2010) US	SED O	LD D	ATA.	UNIQU	JE STAND DO NO	T CUT					
1	W 9	W 1	2	80	12	140	60	white pine	immature	N		10-19 years	0	
on	ints Fmd	1: 2010) M(OST O	F TH	IS ST	AND IS	IN COMP TO THE	E WEST. STA	AND HAS	STEEP SLOP	ES TO THE WES	T.	
2	W 2	G 0	5	20	1	0	65	white pine	immature	N		40-49 years	0	
	ints Fmd			AND	HAS .	ALMO	OST NO	ASPEN. SOME H	IARDWOOD :	STEMS M	OSTLY IRON	WOOD AND SO	ME RED I	PINE SAPS
on		TOO)											

	PIG	EON R	IVE	R CC	TNU	RY N	IGT	UNIT	Sta	nd Level Info	ormatio	n Comp	partment: 33	Entry \	rear: 2012
S t a	Cover Type-	Under Story-	A		avg.					* See "Co for furthe	er descript	nt Packets Glo ions and code	ssary of Terms" do definitions.	cument lin	k on web site
n d	Size Dnsty	Stkng	e s	Age	D B H	Tot. BA	Site Indx	_ .		Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
14	M 6	M 2	4		9	70	60	northern hard	wood	unevenaged	N		not scheduled	0	
15	M 4	G 0	2	83	9	30	60	northern hard	wood	sparse	N		not scheduled	0	
16	M 9	M 2	58		10	100	60	northern hard	wood	unevenaged	N		10-19 years	0	
con	nnts Fmc	1: 2010	0 TI	HE STA	AND :	IS HA	SAH	IGHER BASA	L ARI	EA AS YOU GO	O SOUTH	AND WEST			
17	H 9	U 0	9		15	120	60	hemlock		mature	Υ		not scheduled	0	
		<u>Treatme</u>		miting or Hem			restrai	ints							
 18	H 9	M 1	49		12	110	60	hemlock		unevenaged	Y		not scheduled	0	
		Treatme Ce		miting or Hem			restrai	ints		S					
19	A 2	W 1	2	27	3	0	60	aspen (upla	nd)	immature	N		20-29 years	0	
20	W 9	M 1	3	82	10	130	60	white pine	Э	immature	N	thinning	within 0-9 years	s 1	
con								TURE AND PR	ESEN	T WILDLIFE					
21	W 2	M 1	3	27	2	0	60	white pine	Э	immature	N		60-69 years	0	
con	nnts Fmc	1: 2010	O O	NE CL	ONE	OF AS	SPEN	THE REST IS	WHIT	TE PINE AND I	MOSTLY	IRONWOOD			
22	W 9	M 1	12		12	130	60	white pine	9	unevenaged	N	thinning	within 0-9 years	1	
23	R 9	M 1	81	82	10	160	60	white pine	Э	immature	Y	shelterwood- seed	within 0-9 years	6	planting
con	nnts Fma	POC AN	CKE Y AS	ΓS OF SPEN I	MAT S LEI	URE I	PINE I RE LE	IN THE STAN	D. PL WILD	ANT ACORNS LIFE. SEEE C	S IN STAN	ND TO HELP	BA. RRETAIN SO ESTABLISH AN STAND 29 FOR R	OAK PIN	E STAND. IF
24	A 4	G 0	3	27	3	20	55	aspen (upla	nd)	immature	N		30-39 years	0	
25	U 0		3 0 C	HERP	Y AN	0 ID SC/		upland bru RED PINE. C		nonstocked	N EAVILY I	BROWSFD	not scheduled	0 DIS AN O	LD LANDING
_												DRO HOLD.			
26	W 3	G 0	8	27	2	0	55	white pine	Э	sparse	N		40-49 years	0	
con	nnts Fmc	1: 2000	о ні	EAVY	ELK	BROV	VSE D	DAMAGE. 201	.0 W3	TO W2 WITH	M AND	A LITTLE SC	ATTERED ASPE	N	

	PIG	EON R	IVE	R CO	UNT	RY I	MGT (JNIT	Stand Level Int	formation	n Comp	partment: 33	Entry `	Year: 2012
S t a	Cover	Under Story-	A C r		avg.					ner descripti	t Packets Glos ions and code	ssary of Terms" do definitions.	ocument lin	k on web site
n d	Śize Dnsty	Stkng Level	e s	Age	D B H	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
27	H 9	M 1 Treatme	10 nt Li	mitina F	14 acto	140	65	hemlock	unevenaged	Υ		not scheduled	0	
				or Heml			restraii	nts						
com	ints Fmd								TATION OF HEM 2010 THIS STAN				ULD REFI	LECT THE
28	M 9	M 1	14		10	100	65	northern hardy	vood unevenaged	N		10-19 years	0	
29	H 9	M 1	6		14	140	65	hemlock	unevenaged	Υ		not scheduled	0	
		Treatme		<u>miting F</u> or Heml			rostraii	nte						
com	ints Fmd	1: 2000) TF	HIS STA	AND	HAS	A LAR	GE REPRESE	NTATION OF HEN 2010 THIS STAN				OULD REF	FLECT THE
30	R 9	M 2	8	82	14	70	60	red pine	immature	Υ		not scheduled	0	
		Treatme				rs:								
	. E			ce zone		ANID	NI A TEI II	DALLY COM	EDT TO HADDWG	ODE ALO	NIC OCMUN	DOAD		
31	A 6	G 0	3	36	5	80	65		ERT TO HARDWO	N	ING OSMUN	20-29 years	0	
31	AU	GU	3	30	5	80	65	aspen (uplar	nd) immature	IN		20-29 years	U	
com	nts Fmd	1: 2000) Al	N ELK	EXC	LOSU	JRE IS	LOCATED IN	THIS STAND.					
32	А3	A 3	14	5		0	65	aspen (uplar	nd) immature	N		40-49 years	0	
com	ints Fmd								HE FRONT PART				D. THE B.	ACK PART
33	R 9	M 1	26	82	10	120	60	red pine	immature	Υ		20-29 years	0	
		<u>Treatme</u> De					e/size cl	ass diversity						
34	R 9	M 1	3	82	10	120	60	red pine	immature	Υ		20-29 years	0	
		Treatme Infl		miting F		rs:								
com	ints Fmd								Γ IS BASICALLY T THIS STAND IS O		STAND AS 3	33, ALTHOUGH	A GOOD	PORTION OF
35	Z 0	Z 0	3			0		water	nonstocked	N		not scheduled	0	
com	nts Fmd	l: LOS	T L	AKE.										
36	R 9	W 1	6		14	110	55	red pine	unevenaged	N		not scheduled	0	
		Treatme Infl To	nt Li uend o ste	ce zone	acto s	rs:	00	rea pine	unovonagou			not solicadica	J	
com	ints Fmd	l: THI	S ST	AND C	CCU	JPIES		STEEP SLOPE LIMITATIONS	S AND RIDGETOR	S THAT S	URROUND L	OST LAKE. NO	MANAGI	EMENT
37	R 9	M 1	4	82		120	60	red pine	immature	Υ		20-29 years	0	
		Treatme Infl		miting F ce zone		rs:								

comnts Fmd : 2010 THIS IS THE SAME STAND AS STAND 33, BUT IT PRETTY MUCH BORDERS OSMUN RD. AND THE LAKE.

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	PIG	EON R	IVE	R CO	UNT	RY N	IGT L	JNIT Sta	and Level Inf	ormatio	n Comp	artment: 33	Entry \	/ear: 2012
S t	Cover	Under Story-	A		avg.						nt Packets Glos ions and code	sary of Terms" do	ocument lin	k on web site
a n d	Size Dnsty	Stkng Level	r e s	Age	D B H	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
38	A 3	W 1	3	18	1	0	55	aspen (upland)	immature	N		40-49 years	0	
con	nts Fmd	1: 2000	Э НЕ	EAVY	ELK	BROW	SE DA	AMAGE. 2010 S	TAND IS A LIT	TLE THIN	ON THE EAS	ST SIDE.		
39	R 9	M 1	7	82	10	160	60	red pine	immature	Υ		not scheduled	0	
com		Inf	o ste luend	ep ce zone	es	_	UFFE	R AROUND AND	ON THE STEE	P SLOPE!	S OF THE LAI	KE		
40	Z 0	Z 0	3		0	0		water	nonstocked	N		not scheduled	I 0	
com	nts Fmd	l: WE	ST L	OST L	AKE									
41	J 2	J 1	86	15	10	40	60	red pine	two aged	N		40-49 years	0	
con	nts Fmc	1: 2010) M	ANAG	Е ТН	IS STA	AND F	OR JACK PINE.						
42	J 4	U 0	12	27	4	30	55	jack pine	immature	N		50-59 years	0	
com	nnts Fmd							AMAGE. AN ELI POLE STAND. (ND IS JUST
43	A 4	G 0	7	27	3	10	55	aspen (upland)	immature	N		40-49 years	0	
com	nts Fmd	1: 2010	o st	AND .	IUST	BEGI	NNINC	G TO MOVE INTO) A POLE STAN	ID				
 44	A 6	M 1	5	81	9	110	55	aspen (upland)	mature	Υ		not scheduled	I 0	
com	nnts Fmd	To Wa	luend o ste ater d	ce zone ep quality/l	es omps AND	OCCU		THE STEEP SLOI						
 45	Z 0	Z 0	SSIBI 1	LE DU	E TO 0	TERR 0	AIN L	MITATIONS. 20 water	010 PART OF T nonstocked	HIS STAN	ND IS ASPEN	AND THE OTH		PINE
	ints Fmd	l: DEV	/IL'S	S BOW	L LA	KE.								
46	A 2	U 0	15	18	1	0	55	aspen (upland)	sparse	N		40-49 years	0	
com	nts Fmd							ND IS W1 OR 2, U OUT	A1, J1 AND U.	THE OTI	HER PART IS	PRETTY GOOD	ASPEN.	ГНЕКЕ
47	R 6	W 2	2	85	10	90	55	red pine	immature	Υ		40-49 years	0	
		Treatme Ina		_			small a	acreage						
<u>-</u> 48	R 6	A 2	27	82	10	80	55	red pine	two aged	Υ		20-29 years	0	
		<u>Treatme</u>						p						
_								ass diversity				00.05		
49	J 3	W 1	6	18	2	0	55	jack pine	sparse	N		30-39 years	0	

50 comnts 51 comnts 52	A 2 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7	G 0 : 2000 EXC COR M 1 Freatme	7 FIR 15 15 TH CLOS RNER 5	E. IT 23 23 IS STAURE I	IS TR 1 AND S LO	QYING 0 WAS CATE ST OF	TO C 60 CUT IN D IN T	OME BACK BU northern hardwood N 1974. THE RETHIS STAND. 20	for furth Condition immature ELY FROM A 19 T IT IS STRUGG od sparse ESULTING REGE	er descript Silv. Criteria Met? N 74 HARV LING. 20	Method Cut EST WHEN IT	Trtmt. Period 40-49 years WAS BURNED	Harvest Priority 0 HARD DI	Cultural Need
50 comnts 51 comnts	A 2 s Fmd M 1 s Fmd O 8	U 0 : 2000 1987 G 0 : 2000 EXC COR M 1 Treatme Re	2 2 7 FIR 15 15 TH CLOS RNER 5	23 IS STA E. IT 23 IS STA URE I L. THE	B H 2 AND IS TR 1 AND S LO E RES	0 WAS I EYING 0 WAS C CATE ST OF	60 REGENTO CO	aspen (upland) NERATING NIC OME BACK BU northern hardwood N 1974. THE RE THIS STAND. 20	immature ELY FROM A 19 T IT IS STRUGG od sparse ESULTING REGE	N 74 HARV LING. 20	Cut EST WHEN IT	Period 40-49 years WAS BURNED E AN A3 STAND	Priority 0 HARD DI	Need
51 comnts	M 1 S Fmd O 8	: 2000 1987 G 0 : 2000 EXC COR M 1	TH FIR 15 TH CLOS RNER 5	IS STA E. IT 23 IS STA URE I 3. THE 91	AND IS TR 1 AND S LO E RES	WAS I 0 WAS C CATE ST OF	REGENTO CO	NERATING NIC OME BACK BU northern hardwoo N 1974. THE RE THIS STAND. 2	ELY FROM A 19 T IT IS STRUGG od sparse	74 HARV LING. 20 N		WAS BURNED E AN A3 STAND	HARD DI	JRING THE
51 comnts	M 1 s Fmd O 8	G 0 : 2000 EXC COR M 1 Freatme	7 FIR 15 15 TH CLOS RNER 5	E. IT 23 23 IS STAURE I	1 AND S LO E RES	QYING 0 WAS CATE ST OF	TO C 60 CUT IN D IN T	OME BACK BU northern hardwood N 1974. THE RETHIS STAND. 20	T IT IS STRUGG od sparse ESULTING REGE	LING. 20 N		E AN A3 STAND)	URING THE
comnts	S Fmd O 8	: 2000 EXC COR M 1	TH CLOS RNER 5	IS STA URE I L. THE	AND S LO E RES	WAS (CATE ST OF	CUT II D IN T	N 1974. THE RE THIS STAND. 20	ESULTING REGE			50-59 years	0	
<u> </u>	O 8	EXC COR M 1 Freatme	CLOS RNER 5 ent Lin	URE I THE 91	S LO E RES	CATE ST OF	D IN T	THIS STAND. 20						
	-	<u>Гreatme</u> Re	nt Lin	-	12			TAND RANGES	S FROM U TO M	E A FEW	ACRES OF GO	O IN THE 1987 F OOD ASPEN IN T		
	-	Re		nitina F		60	60	oak	two aged	Υ		10-19 years	0	
comnts			ST.	n of st ecial v	and fo	or rege habita SEVEI	at cons RELY							
53	M 9	M 3	11	81	10	70		northern hardwoo		N	oki civile ii	20-29 years	0	CIEIVIEI.
comnts	s Fmd								URING THE 198 N A FLUSH OF R			TREES WERE SA	ALVAGED	WHICH
54	M 9	M 1	83		11	110	65	northern hardwoo	od unevenaged	N	selection	within 0-9 years	2	
comnts	s Fmd					AND T		TWEEN 75 AND	0 80 BA. NORT	HERN HA	ARDWOODS W	OULD BE EXP	ECTED TO)
55	M 9	M 2	18		10	90	60	northern hardwoo	od unevenaged	N		10-19 years	0	
comnts	s Fmd) this		was l	oroke o	out froi	m stand 54. It ha	s a significant ba	of oak. Th	e slope tends to	face more weste	rly with oth	ner hardwoods
56	A 5	M 1	27	36	4	60	65	aspen (upland)	immature	N		20-29 years	0	
57	R 9	M 1	24	82	12	110	60	red pine	two aged	Υ	shelterwood- seed	within 0-9 years	1	
comnts	s Fmd	Lake	es RD	. RE	D AN		HITE P		retention and buff AS SOME REDM					
58	O 5	M 1	13	78	9	50	60	oak	two aged	Υ		10-19 years	0	
	-		tentic	n of st	and fo	or rege		on purposes (ie. s ass diversity	helterwood)					
comnts	s Fmd		•			·		•	L IS DEAD OR D	YING.				
59	W 9	M 1	17	45	12	80	60	white pine	two aged	N		10-19 years	0	
comnts	₅ Fmd								RENTLY MOST (INE WILL HAVE					
60	W 3	M 1	3	27	3	10		northern hardwoo		N N		40-49 years	0	

 ${\tt comnts} \ Fmd \ : \ 2010 \ \ MIXED \ STAND \ WITH \ WHITE \ PINE, \ HARDWOODS, \ A \ FEW \ ASPEN \ STEMS \ AND \ U-TYPE$

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	PIG	EON R	IVE	R CC	TNU	RY N	IGT L	JNIT	Stand Level Inf	ormatio	n Comp	artment: 33	Entry \	ear: 2012
S t	Cover	Under Story-	A C		avg.					er descript	nt Packets Glos tions and code o	sary of Terms" do	ocument lin	k on web site
a n d	Size Dnsty	Stkng Level	e s	Age	D B H	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
61	A 6	M 1	8	45	6	90	60	aspen (uplai	d) two aged	N		10-19 years	0	
62	O 9	M 2	9		10	100	60	oak	unevenaged	Y		10-19 years	0	
com		Otl LEA REC	tenti her s VE SENI	on of s pecial THE (ERAT)	tand f wildlif OAK (ION T	or rege e habit OVERS HAT I	at cons STORY RESUL	TO SHELTE	. In comments) R THE DEVELOPI N ATTEMPT TO F					LY
63	R 9	M 2	2	82	14	120	70	red pine	immature	Υ		10-19 years	0	
com			enic	values	/visua	l value		IS STAND UN	TREATED					
 64	A 6	A 1	10	36	5	100	65	aspen (uplar	d) two aged	N		40-49 years	0	
 65	R 9		ECT						RED. THE LOG SI E CUT. I BELIEVI unevenaged					
				NDER			-	·	M3. LOTS OF THE		STORY IS IRC	·	·	
66	R 9	M 2	37		14	100	70	northern hardy	ood unevenaged	N	removal	within 0-9 years	s 1	planting
com	nnts Fmd	OF '	ГНЕ	UND	ERST		S IROI		LUMPS EVERY 2 IAN WOULD LLIK					
67	R 9	M 2	11	82	14	100	65	northern hardv	rood two aged	Υ	final harvest	within 0-9 years	s 6	
68	М 9	M 1	11	88	10	100	55	northern hardv	ood low quality	N		20-29 years	0	
com	nts Fmd	1: 2010	TF (IERE	IS SO	ME V	ERY P	OOR ASPEN	N THE STAND MO	OST IS PR	OVIDING WI	LDLIFE HABITA	AT OR SO	ON WILL BE
69	M 9	M 2	7		12	100	65	northern hardv	ood unevenaged	N		10-19 years	0	
com	nts Fmd	1: 2010) N	ICE L	оокі	NG H	ARDW	OOD STAND	THERE IS HARD	LY ANY	RED PINE IN	THIS STAND.		
70	М3	G 0	15	16	0	0	45	northern hardv	ood sparse	N		not scheduled	0	
com	nnts Fmd	DIV	ISIC	N WA	NTE	D TO I	KEEP I	IT IN A BRUS	OR PLANTING FOI H STATE SO IT W. AND U TYPE MIX	AS NOT P				
71	R 9	M 1	1	82	12	130	60	red pine	two aged	N		not scheduled	0	

comnts Fmd: 2010 CONSIDER LETTING THIS STAND UNTREATED

S t	Cover Type-	Under Story-	A C r		avg. D						nt Packets Glo tions and code	ssary of Terms" do	cument lin	/ear: 2012 k on web site	
n d	Size Dnsty	Stkng Level	e s	Age	B H	Tot. BA	Site Indx	Mgt Obj	Condition	Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need	
2	R 7	M 2 Treatme	3 ent Li	82 miting	10 Facto	40 <u>rs:</u>	60	red pine	two aged	Υ		within 0-9 years	s 0	planting	
ımo	nts Fmd			values OMBIN				S 402 AND 61. OL	D 402 HAS PI	RETTY M	UCH FILLED	IN WITH PINE A	ND HARI	OWOODS	
		ANI	OU.		ULD	LET T	HE RI	ED PINE HERE DIE							
3	M 9	M 1	41		12	100	60	northern hardwood	unevenaged	N		10-19 years	0		
comi	nts Fmd	SCA	LE	ON SC	ME (OF TH	E TRE	NICE LOOKING BI ES. DEFINITELY INS NORTH OF TI	FOUND IN T	HE HADR					
' 4	R 9	М 3	8	82	12	100	60	northern hardwood	two aged	Υ	delayed removal	within 0-9 years	s 1	planting	
comi	nts Fmd			EAVE A				PS OF 3 OR 4 RED	PINE IN THE	STAND.	BRIAN WOU	LD LIKE TO PLA	NT OAK	SAPS AFTE	
75	M 4	G 0	3	88	9	30	55	northern hardwood	sparse	N		20-29 years	0		
comi	nts Fmd							THE BEECH RELEA ECH. HEAVY BEE						ALF OF THE	
76	M 6	M 2	46	88	9	80	55	northern hardwood	low quality	N		20-29 years	0		
77	M 8	M 1	110		10	70	60	northern hardwood	unevenaged	N		20-29 years	0		
comi	nts Fmd	DUI SHO	RINC OULI	G THE DEREI	NEX O HA	T YEA WK N	AR OF ESTS	Y TSI'D IN THE 19 ENTRY. PURCHA WHEN MARKING RN PORTION.	SED LAND S	O IT DOE	S NOT QUAL	JIFY FOR FDF. W	ATCH FO	OR RED	
78	M 9	M 1	186		10	110	60	northern hardwood	unevenaged	N	selection	within 0-9 years	3 2		
comi	nts Fmd	ANI	JQ C	JALIT	Y FA	LL OF	FON	F A BIGGER HARD THE NORTHERN I PECTED TO REGE	END OF THE	STAND. T					
79	C 6	M 2	3	85	9	90	40	cedar	immature	N		not scheduled	0		
30	N 0	N 0	5		0	0	40	marsh	nonstocked	N		not scheduled	0		
comi	nts Fmd	: THI	S IS	AN A	CTIV	E BEA	VER I	FLOODING. DEAI	TIMBER WA	AS SALVA	AGED IN 1994	l - 1996.			
31	N 0	N 0	5		0	0		marsh	nonstocked	N		not scheduled	0		
32	Q6	F 1	14	77	9	100	40	mixed swamp conifer	immature	N		not scheduled	0		
33	A 6	G 0	34	38	5	90	65	aspen (upland)	immature	N		20-29 years	0		
comi	nts Fmd) ST		VAR	IES FI	ROM A	ASPEN TO NICE H	ARDWOOOD	S (SOME	CHERRY) PC	LES WITH FIR A	ND HEMI	LOCK	

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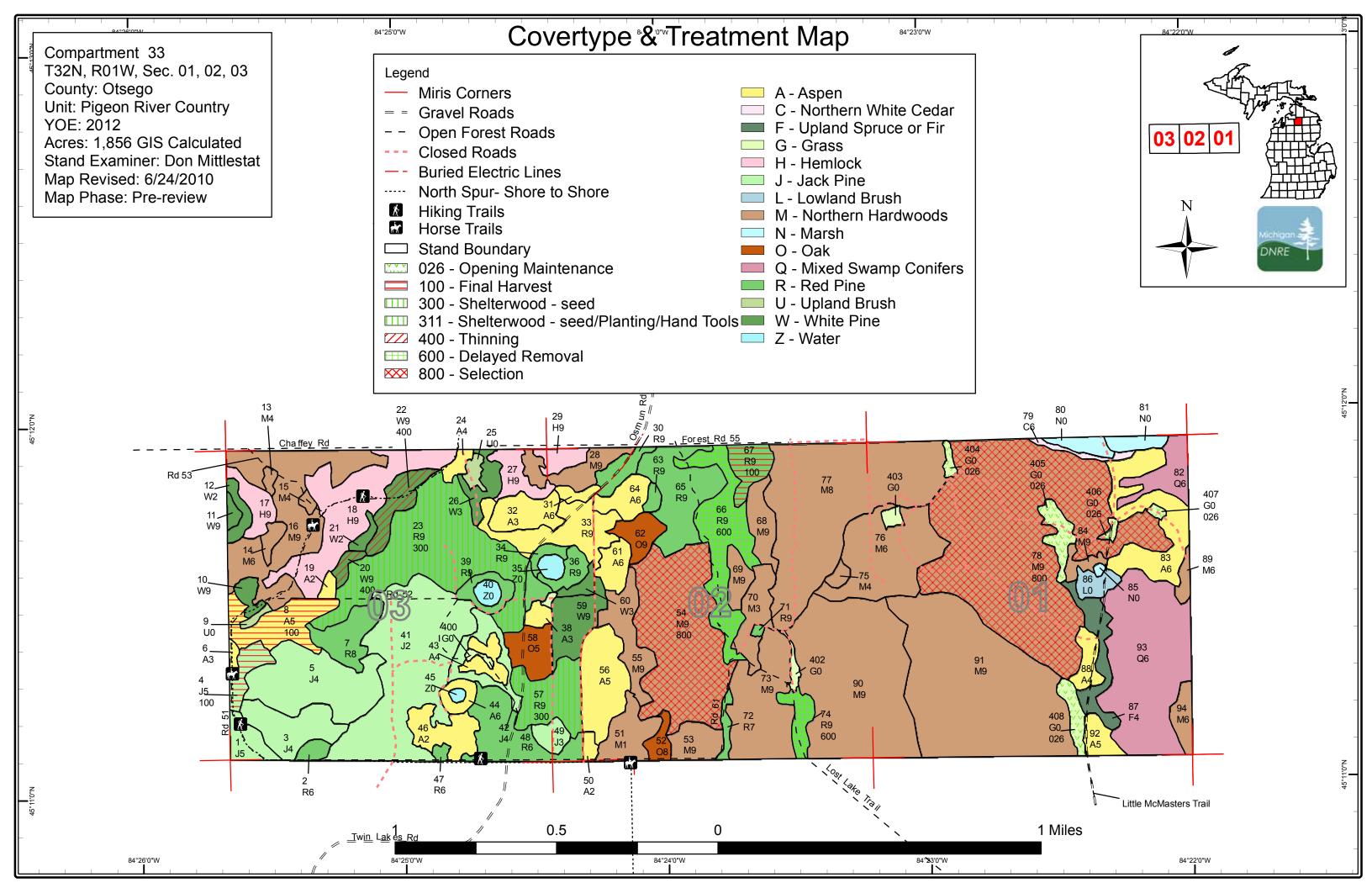
	PIGEON RIVER COUNTRY MGT UNIT								Stand Level Information			Comp	artment: 33	Entry Year: 2012	
S t a	Cover Type- Size	Under Story- Stkng	A C r		avg. D						er description Silv.	ons and code		ocument lin	
n d	Dnsty	Level	e s	Age	B H	Tot. BA	Site Indx	_ T.	С	ondition	Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
84	M 9	M 1	4		12	110	60	northern hardw	ood u	nevenaged	N		not scheduled	0	
		De	ent Li o we eer ya	t	Facto	rs:									
	nts Fmd														
85	N 0	N 0	1		0	0	65	marsh	n	onstocked	N		not scheduled	0	
com	nts Fmd	1: 2000	O TH	IS IS	AN O	LD, IN	IACTI	VE BEAVER I	LOODIN	NG. STAN	DING WAT	ER STILL E	XISTS.		
86	L 0	L 0	6		0	0	65	lowland brus	h n	onstocked	N		not scheduled	0	
com	nts Fmd							YEARS PAST			JE TO BEA	VER ACTIV	ITY. IT HAS DE	RIED OUT	SOME AND
87	F 4	G 0	15	25	3	20	65	northern hardv	ood	immature	N		40-49 years	0	
88	A 4	G 0	8	25	4	40	65	aspen (uplar	d)	immature	N		30-39 years	0	
com	nts Fmd	1: 2010	0 P	ARTS	OF T	HE ST	AND	ARE WET							
89	M 6	F 1	3		9	90	60	northern hardw	ood u	nevenaged	N		10-19 years	0	
com	nts Fmd	l: HAI	RVE!	ST AL	ONG	WITH	I STAI	ND #3 IN COM	PARTM	ENT #51 A	DJACENT	TO THE EAS	ST.		
90	M 6		103		10	90	60			nevenaged	N		10-19 years	0	
													•		
91	М 9	M 1	128		10	100	60	northern hardv	ood u	nevenaged	N		10-19 years	0	
92	A 5	F 1	7	42	6	60	65	aspen (uplar	d)	immature	N		10-19 years	0	
93	Q 6	F 1	80	88	10	140	50	mixed swam conifer	р	immature	Υ		not scheduled	0	
		Treatme	ent Li	miting	Facto	rs:		Conner							
			o we												
com	nts Fmd							OS 90, 91 AND WS WITH SOM				IS IS PRETT	Y WETWHER	E IT IS A	LITTLE
94	M 6	F 1	7		9	130	60	northern hardy	ood u	nevenaged	Υ		not scheduled	0	
			ent Li o we	t	Facto	rs:									
400	G 0		1	45	0	0		grass	n	onstocked	N		not scheduled	0	

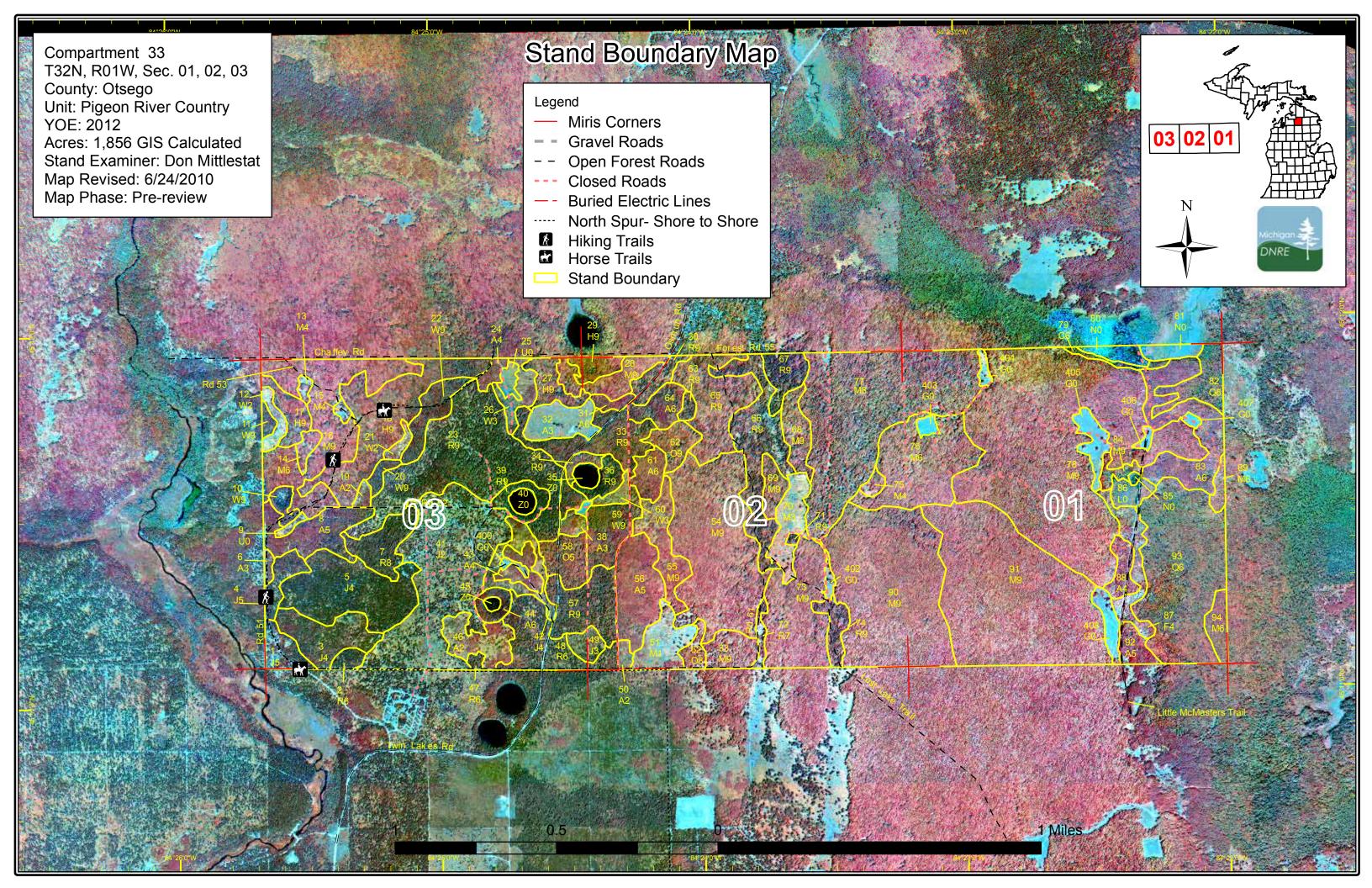
PIGEON RIVER COUNTRY MGT UNIT								tand Level Info	ormation	n Comp	partment: 33	Entry	Year: 2012
S t a	Cover Type-	Under Story-	A C	avg D	J .					t Packets Glo ions and code	ssary of Terms" do definitions.	cument li	nk on web site
n d	Size Dnsty	Stkng Level	e s	B Age H	Tot. BA	Site Indx	Mgt Obj	Condition	Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
401	G 0	G 0	1	0	0		grass	nonstocked	N		not scheduled	0	
402	G 0	G 0	2	0	0		grass	nonstocked	N		not scheduled	0	
com	nts Fmd							E OR LOGGING DIVISION WILL			PLE TREES ARE SE TREES.	GROWI	NG IN THE
403	G 0	G 0	2	0	0		grass	nonstocked	N		not scheduled	0	
com	nts Fmd							IT HAS BEEN R FUTURE TIMBEI		ATED QUITE	WELL. NO ERC	SION PI	ROBLEMS.
104	G 0	G 0	_	0	_								
	00	GU	2	0	0		grass	nonstocked	N		within 0-9 years	. 0	opening maintenance
						HIS WILL	Ü	nonstocked INED BY FARM		RESCRIBED	·	0	
com						HIS WILL	Ü			RESCRIBED	·		maintenance opening
com 405	nts Fmd G 0	G 0	DLI 8	FE OPENII	NG. TI		BE MAINTA	INED BY FARM	ING OR P		BURNING. within 0-9 years		maintenance
com 405 com	nts Fmd G 0	G 0	DLI 8	FE OPENII	NG. TI		BE MAINTA	INED BY FARM nonstocked	ING OR P		BURNING. within 0-9 years	. 0	maintenance opening
com 405 com 406	G 0	G 0 I: WIL	DLI 8 DLI 1	FE OPENII FE OPENII 0	NG. TI 0 NG. TI	HIS WILL	BE MAINTA grass BE MAINTA grass	INED BY FARM nonstocked INED BY FARM	ING OR P N ING OR P N	RESCRIBED	BURNING. within 0-9 years BURNING. within 0-9 years	. 0	opening maintenance
com 405 com 406	G 0	G 0 I: WIL	DLI 8 DLI 1	FE OPENII FE OPENII 0	NG. TI 0 NG. TI	HIS WILL	BE MAINTA grass BE MAINTA grass	INED BY FARM nonstocked INED BY FARM nonstocked	ING OR P N ING OR P N	RESCRIBED	BURNING. within 0-9 years BURNING. within 0-9 years	. 0	opening maintenance opening maintenance opening maintenance
com 405 com 406	G 0 onts Fmd G 0 onts Fmd G 0	G 0 1: WIL G 0 1: WIL G 0	8 LDLI 1 LDLI 1	FE OPENII 0 FE OPENII 0 FE OPENII 0	NG. TI 0 NG. TI 0 NG. TI 0	HIS WILL	BE MAINTA grass BE MAINTA grass BE MAINTA grass	INED BY FARM nonstocked INED BY FARM nonstocked INED BY FARM	ING OR P N ING OR P N ING OR P	RESCRIBED RESCRIBED	BURNING. within 0-9 years BURNING. within 0-9 years BURNING. within 0-9 years	. 0	opening maintenance opening maintenance

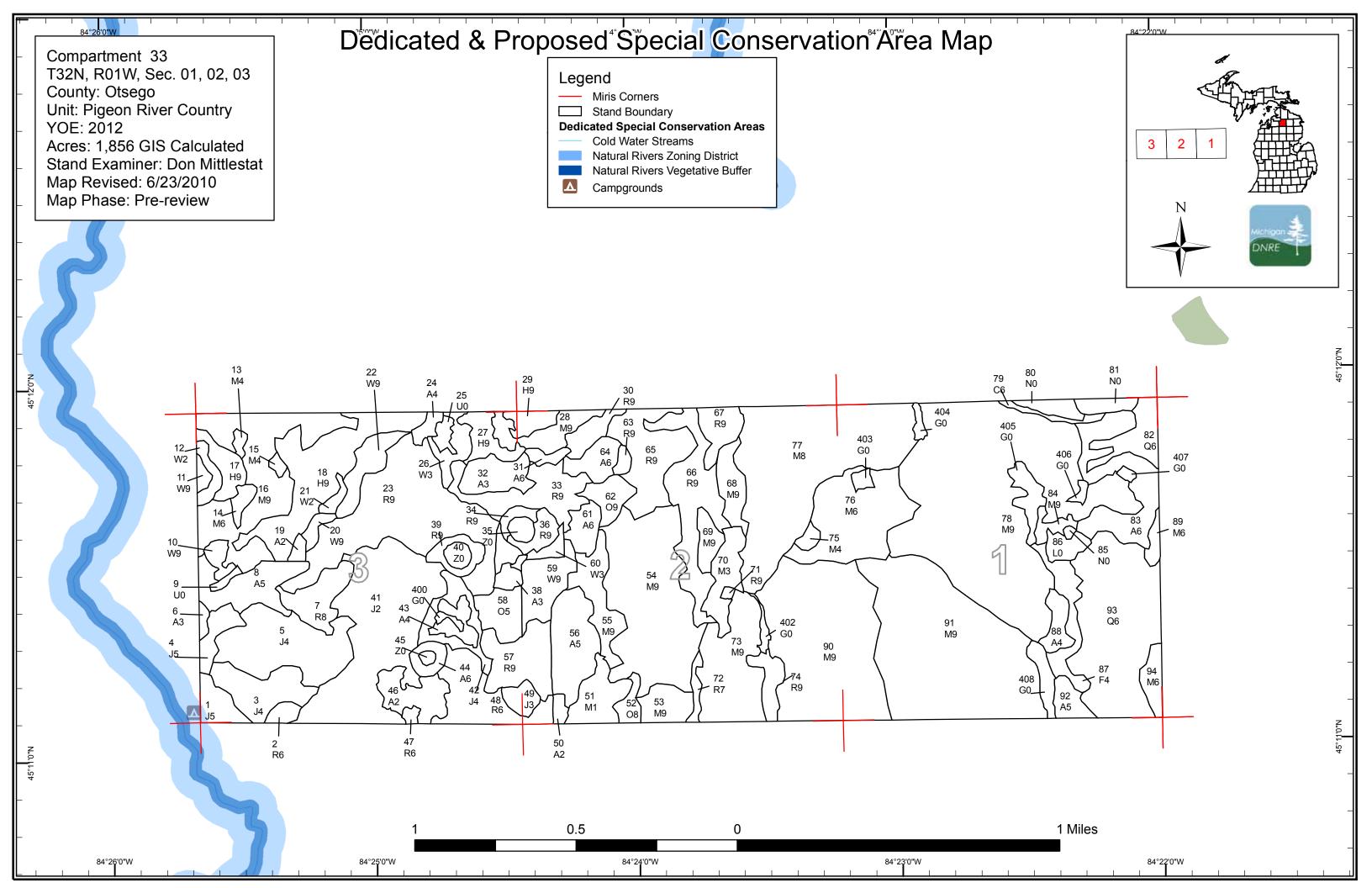
Total Acres......

1856

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Report Date: 06/24/2010

Pigeon River Country Mgt. Unit Compartment: 033 DNR DURCHIGAN

DEDICATED CONSERVATION AREA DETAILS

age 1 of 1

* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

Conservation	on Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area					
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder.						
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.						
SCA	Concentrated Recreation Area	Facilities that are designed and maintained for routine or heavy re State Forest campgrounds, motorized and non-motorized trails, tr sites.						
SCA	Potential Old Growth Areas	This category contains stands were identified for a broad range of database as stand condition 8 as potential old growth (POG). A identified through the Operations Inventory (OI)/Compartment Re 2008 and forward, potential old growth is managed for the identifie the Biodiversity Conservation Planning Process (BCPP) and given an ERA, HCVA, or other type of SCA) and is released from the potential old growth designation via the Comparation.	pproximately 310,000 acres have been view process. For stands in Year of Entry ed objective until it is: 1) vetted through a specific designation and objective (as otential old growth designation; or 2) it is					